

IN THE CLAIMS:

Please amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. to 117. (Cancelled)

118. (Proposed Amendment) A data processing apparatus comprising a library for storing a plurality of filters and a processor for processing a computer program stored on a computer-readable storage medium, wherein said processor executes, by processing the computer program, the following steps:

a selecting step for selecting and loading a plurality of desired filters from said library based on a user instruction, wherein the plurality of desired filters are arranged in a sequence based on the user instruction and are associated with a set of user interface control objects, each user interface control object characterizing a display of a corresponding filter;

an accessing step for accessing a code, written in a markup language, based on a subset of the user interface control objects;

a modifying step for modifying the code of user interface control objects written in a markup language, by using the plurality based on one of the desired filters; ~~wherein the plurality of desired filters are arranged in a sequence based on the user~~ instruction; and

a generating step for generating display data for displaying information of the plurality of desired filters in a display apparatus, by parsing the code₂ of the user interface control objects modified in said modifying step.

119. (Previously Presented) The data processing apparatus according to claim 118, wherein, in said modifying step, said processor adds codes of the plurality of desired filters to the user interface control objects in the arranged sequence.

120. (Previously Presented) The data processing apparatus according to claim 119, wherein, in said modifying step, said processor changes the codes of a previously added filter when said processor adds the codes of the plurality of desired filters to the user interface control objects.

121. (Previously Presented) The data processing apparatus according to claim 118, wherein the information of the plurality of desired filters is displayed based on the arranged sequence when the display data is outputted to the display apparatus.

122. (Previously Presented) The data processing apparatus according to claim 118, wherein the user interface control objects include codes for displaying a data input interface, wherein a user inputs data to the plurality of desired filters via the data input interface.

123. (Previously Presented) The data processing apparatus according to

claim 118, wherein the user interface control objects include codes for setting whether or not the information of the plurality of desired filters is displayed.

124. (Previously Presented) The data processing apparatus according to claim 118, wherein the plurality of desired filters includes a toolbar filter for displaying the information of another filter on a toolbar, and wherein, in said modifying step, said processor modifies the user interface control objects for displaying the information of the other filter on the toolbar.

125. (Previously Presented) The data processing apparatus according to claim 118, wherein the plurality of desired filters includes a filter for search data based on a search target inputted by a user.

126. (Previously Presented) The data processing apparatus according to claim 118, wherein the plurality of desired filters includes a display filter for displaying input data on the data display area.

127. (Previously Presented) The data processing apparatus according to claim 118, wherein the plurality of desired filters includes a printer filter for outputting appropriate data for a printer based on a functionality of the printer.

128. (Previously Presented) The data processing apparatus according to

claim 118, wherein the plurality of desired filters includes a help filter for providing help information.

129. (Previously Presented) The data processing apparatus according to claim 118, wherein the markup language is XML.

130. (Currently Amended) A data processing method for controlling a data processing apparatus having a library for storing a plurality of filters, the method comprising:

a selecting step for selecting and loading a plurality of desired filters from said library based on a user instruction, wherein the plurality of desired filters are arranged in a sequence based on the user instruction and are associated with a set of user interface control objects, each user interface control object characterizing a display of a corresponding filter;

an accessing step for accessing a code, written in a markup language, based on a subset of the user interface control objects;

a modifying step for modifying the code of user interface control objects written in a markup language, by using the plurality based on one of the desired filters; ~~wherein the plurality of desired filters are arranged in a sequence based on the user instruction;~~ and

a generating step for generating display data for displaying information of the plurality of desired filters in a display apparatus, by parsing the code, ~~of the user interface control objects modified in said modifying step.~~

131. (Previously Presented) The data processing method according to claim 130, wherein, in said modifying step, codes of the plurality of desired filters are added to the user interface control objects in the arranged sequence.

132. (Previously Presented) The data processing method according to claim 131, wherein, in said modifying step, the codes of a previously added filter are changed when the codes of the plurality of desired filters are added to the user interface control objects.

133. (Previously Presented) The data processing method according to claim 130, wherein the information of the plurality of desired filters is displayed based on the arranged sequence when the display data is outputted to the display apparatus.

134. (Previously Presented) The data processing method according to claim 130, wherein the user interface control objects include codes for displaying a data input interface, and wherein a user inputs data for the plurality of desired filters via the data input interface.

135. (Previously Presented) The data processing method according to claim 130, wherein the user interface control objects include codes for setting whether or not the information of the plurality of desired filters is displayed.

136. (Previously Presented) The data processing method according to

claim 130, wherein the plurality of desired filters includes a toolbar filter for displaying the information of another filter on a toolbar, and wherein, in said modifying step, the user interface control objects are modified for displaying the information of the other filter on the toolbar.

137. (Previously Presented) The data processing method according to claim 130, wherein the plurality of desired filters includes a filter for search data based on a search target inputted by a user.

138. (Previously Presented) The data processing method according to claim 130, wherein the plurality of desired filters includes a display filter for displaying input data on the data display area.

139. (Previously Presented) The data processing method according to claim 130, wherein the plurality of desired filters includes a printer filter for outputting appropriate data for a printer based on a functionality of the printer.

140. (Previously Presented) The data processing method according to claim 130, wherein the plurality of desired filters includes a help filter for providing help information.

141. (Previously Presented) The data processing method according to claim 130, wherein the markup language is XML.

142. (Currently Amended) A computer-readable storage medium storing processor-implementable instructions for controlling a processor to carry out:

a selecting step for selecting and loading a plurality of desired filters from a library based on a user instruction, the library storing a plurality of filters, wherein the plurality of desired filters are arranged in a sequence based on the user instruction and are associated with a set of user interface control objects, each user interface control object characterizing a display of a corresponding filter;

an accessing step for accessing a code, written in a markup language, based on a subset of the user interface control objects;

a modifying step for modifying the code of user interface control objects ~~written in a markup language, by using the plurality based on one of the~~ desired filters; ~~wherein the plurality of desired filters are arranged in a sequence based on the user instruction;~~ and

a generating step for generating display data for displaying information of the plurality of desired filters in a display apparatus, by parsing the code, ~~of the user interface control objects modified in said modifying step.~~